USPTO FOR AAS LESS Department

USPTO FOR Patent and Trace	MAS LE	Department of Com	umerce	Attorney Docket No. Serial No. 10/812,797						
_				Applicant(s): Choong-Chin Liew						
INFORMAT	ION D	DISCLOSURE ST	ATEMENT	Filing Date: March		Group: 1634				
U.S. PATEN	NT DOO						,			
Examiner Initial		Patent No.	Date	Name	Class Si	ıbclass	Filing Date			
OS	1	6,190,857	February 20, 2001	Ralph et al.						
	2	6,218,529	April 17, 2001	An et al.						
	. 3	6,277,574	August 21, 2001	Walker, et a.						
	4	5,853,996	December 29, 1998	Mordechai, et al.						
	5	6,251,590	June 26, 2001	Schweighoffer et al.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
	6	5,882,864	March 16, 1999	An et al.	X					
	7	5,942,385	August 24, 1999	Hirth						
	8	6,479,263	November 12, 2002	Slawin et al.						
	9	6,048,709	April 11, 2000	Falb et al.	///					
	10	6,124,433	September 26, 2000	Falb, et al.	1					
	11	6,486,299	November 26, 2002	Shimkets						
	12	6,525,185	February 25, 2003	Fan, et al.						
	13	5,352,775A	October 4, 1994	Albertson et al						
	14	5,837,449	November 17, 1998	Monia et al.						
	15	2003/0104393 A1	June 5, 2003	Sharp, Frank R. et al.						
	16	6,642,002	November 4, 2003	Loyd, et al.						
	17	6,630,301	October 7, 2003	Gocke, et al.						
V	18	6,692,916	February 17, 2004	Bevilacqua et al.						
98	19	6,521,420	February 18, 2003	Herman, et al.						

239085.1

98-

3/19/07

a	//	20	2003/0224374		ember 4,		ai, HongY	ue				_/		
477	5			2003			al.	•		_		\mathcal{A}		
		21	2002/0142981		ober 3,		orne, Darci	l	`			/		
		22	2002/0100742	200			et al.			\rightarrow	/			
1 1		22	2003/0180743	200	tember 25,	14	agasu et al	•	}	1				i
 		23	2004/0121390		e 24, 2004	C	harma et al		<u> </u>		\/			
		24	5,739,432		ril 4, 1998		inha				X			
-		25	6,607,898		gust 19,		opreski, et	al.			$\overline{}$			
			0,007,070	200	•									
		26	6,617,170	Sep	tember 9,	Augello, et al.			7	1				
	/		, ,	200	-		,			/	\			
1	/	27	5,352,775	Oct	ober 4,	Α	lbertson et		1					
LV				199		al						Λ		
A	Z I	28	5,837,449	I .	vember,	M	Ionia et al.		/)		
9	<u>ا</u>			17,	1998	_			<u> </u>		L			
		PATEN	T DOCUMENTS		Dublication	_	Country	Τ ,	Class	C,	ıbclass		Transla	tion
Exami Initi			Document No.		Publication Date	•	Country	'	lass	30	iociass		Hansia	111011
													Yes	No
O	//	29	DE 44 35 919 C		07 DEC 199)5	GERMA			<i>'</i>				
4	<u>X</u>		77.0.504.640.4		21 3440		NY	$\vdash \downarrow$			_/_		-	
		· 30	EP 0 534 640 A		31 MAR 1993		EPO	' '	\		/			
		31	JP 09 187299		22 JUL 199	7	JAPAN		+-		/			
	 	32	WO 98/18906		07 MAY		PCT		\top		1			
					1998				\perp					
		33	WO 98/24935		11 JUN 199	8	PCT	_	\rightarrow	$\downarrow \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$		ļ		
	1	34	WO 98/33942		06 AUG		PCT		1	/				
ļ	-}-	35	WO 98/49342		1998 05 NOV		PCT	┪		lack		-		
		33			1998		101		- /	N	٠			
		36	WO/01/25473		04/12/2001		PCT	Ī	$\neg \tau$	1				
		37	WO/03/040404		05/15/2003	3	PCT		$\int \!\!\! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$					
	\neg	38	WO/02/14547		Feb. 21,		PCT	1	\mathcal{T}	T		1		
					2002							<u> </u>		
		39	WO/03/061564		July 31,		PCT		1			1		
					2003		now.	 		\sqcup		-	· ·	
		40	WO/03/086445		October 23	5,	PCT		1					
		 	WO 102 107 400 C		2003		PCT	-	 	\vdash		├		
1.		41	WO/02/074986		September 26, 2002		FCI							
	- ,	42	WO/02/103320		December		PCT	+ <i>†</i>		\vdash		+-		
\	\mathcal{N}	72	17 0/02/103320		27, 2002		1.0.				1			
	₩	43	WO/02/057414	12	July 25,		PCT	11-		\vdash	1	Fr	ont	
	7				2002		}	1				Pa	ige	
411)							1				an	d	

239085.I

3/19/07 88

							Abstra ct		
							Only		
96	44	WO/03/008647	01/30/2003	PCT					
00	45	WO/03/090694	11/06/2003	PCT			<u> </u>		
V.	46	WO/03/072827	09/04/2003	PCT					
95	47	WO/04/061410	07/22/2004	PCT					
OTHER DO	CUME	NTS (including Autho			iges, etc.)				
als	48	Claudio, J.O. et al. (1							
90	49	Chelly J et al. (1989)			<i>A</i> . 86:261	7-2621			
	50	Chelly J et al. (1988)	. <i>Nature</i> 333:8	58-860.					
	51	Drews J & Ryser S (1997). Nature Biotech. 15:1318-9.							
	52	Ferrie RM et al. (199	Ferrie RM et al. (1992). Am. J. Hum. Genet. 51:251-62						
	53	Fu D-J et al. (1998).	Nat. Biotech 1	6: 381-4.					
	54	Gala JL et al. (1998).							
	55	Geisterfer-Lowrance	AAT et al. (19	90). <i>Cell</i> 6	2:999-10	06.			
	56	Groden J et al. (1991). Cell 66:589	-600.		<u>.</u>			
	57	Jandreski MA & Liev	v CC (1987). <i>F</i>	Ium. Genet.	76:47-53	3.			
	58	Jin O et al. (1990). C	irculation 82:8	-16					
	59	Kimoto Y (1998). Ma							
	60	Koster M et al. (1996). Nat. Biotech 14: 1123-8							
	61	Liew & Januicski (1980). 170c. Nat. Acad. Bel. CBA: 03:3173 3179							
	62								
	63	Liew CC (1993). J Mol. Cell. Cardiol. 25:891-894							
	64	Liew CC et al. (1994). Proc. Natl. Acad. Sci. USA. 91:10645-10649							
	65	Liew et al. (1997). Mol. and Cell. Biochem. 172:81-87.						_,_,_	
	66	Niimura H et al. (1998). New Eng. J. Med. 338:1248-1257							
	67	Ogawa M (1993). Blood 81:2844-2853							
	68	Riccie et al. (1997) Neuroscience Letters 229:130-134							
	69	Santoro IM & Grode							
	70	Yuasa T et al. (1998)							
	71	Marshall KW (1996)					(2002)		
	72	Campbell, C.; Verno						2000	
		Assessment of Norma	•	ı Peripnera	i Biooa G	ene Expres	Sion. Disc	ease	
	73	Markers, 18:201-206 Yoshikai et al., "Genor		n of the Hum	nan Amylo	id Beta-Pred	ursor Gen	e"	
		Gene 87:257-263 (199	00)						
	74	GENBANK AC:V005 (XP002141055)							
V	75	GENBANK AJ:00314 FMF Region" (XP002		98, Bernot et	al., "A Tr	anscriptiona	I Map of t	he	
1	76	GENBANK AC:M735	48, January 199	5. Joslyn et a	al., "Identi	fication of D	Deletion		
L-40	1 /0	CELIDATINE NO.III/33	,	2, 2031711 Ct	,				

4

3/2/9/07

OU		Mutations and Three New Genes at the Familial Polyposis Locus" (XP002141058)
10	77	GENBANK AC:X52889, September 1993, Liew, "Complete Sequence and Organization
7	1 ' '	of the Human Cardiac Beta-Myosin Heavy Chain Gene" (XP002141056)
	78	GENBANK AC:M54947, April 1993, Seidman et al., "Molecular Studies of the Atrial
	/ 0	Natriuretic Factor Gene" (XP002141054)
	70	Nagai et al. "Decrease of the D3 dopamine receptor mRNA expression in lymphocytes
ĺ	79	
	 	from patients with Parkinson's disease," Neurology 46:791-795 (1996)
	80	Mattano et al. "Sensitive Detection of rRare Circulating Neuroblastoma Cells by the
		Reverse Transcriptase-Polymerase Chain Reaction Cancer Research 52:4701-4705 (1992)
1	81	Katz et al. "Molecular Staging of Prostate Cancer with the Use of an Enhanced Reverse
	ļ	Transcriptase-PCR Assay" Urology43(6):765-775 (1994)
- 1	82	Burchill et al. "Neuroblastoma cell detection by reverse transcriptase-polymerase chain
		reaction (RT-PCR) for tyrosine hydroxylase mRNA" Int. J. Cancer 57:671-675 (1994)
•	83	Johnson PWM et al. "The molecular detection of circulating tumor cells", British Journal
- 1		of Cancer 72:268-275 (1995), PAGES 268-276
	84	Seiden et al. Detection of Curculating Tumor Cells in Men with Localized Prostate Cancer
ſ		Journal of Clinical Oncology 12(12):2634-2639 (1994)
	85	Moreno J.G. et al. "Detection of Hematogenous Micrometastasis in Patients with Prostate
		Cancer" Cancer Research 52:6110-6112 (1992)
	86	Hannon et al. NCCLS "Blood Collection on Filter Paper for Newborn Screening
ł		Programs; Approved Standard—Fourth Edition—NCCLS document LA4-A4 [ISBN 1-
ļ		56238-503-8] NCCLS, 940 West Valley Road, Suite 1400, Wayne Pennsylvania 19087
1		USA (2003) Vol. 23 No.21. Pages 1-31
	87	Ernst et al. NCCLS "Procedures and Devices for the Collection of Diagnostic Capillary
l l	0/	Blood Specimens; Approved Standard—Fifth Edition. NCCLS document H4-A5 [ISBN 1-
1		56238-538-0]
l l		NCCLS, 940 West Valley Road, Suite 1400, Wayne Pennsylvania 19087 USA (2004) Vol
1	}	24 No.21. Pages 1-47
		Kopreski Michael, S. et al. August 1999, "Detection of Tumor Messenger RNA in
1	. 88	Nopreski Wichael, S. et al. August 1999, Detection of Tuntor Messenger Id. 11
1		the Serum of Patients with Malignant Melanoma", Clinical Cancer Research Vol
		5: 1961-1965
	89	Vernon, S.D. et al; (2002) "Utility of the Blood for Gene Expression and Profiling
		and Biomarker Discovery in Chronic Fatigue Syndrome, Disease Markers, 18: 193
		199
	90	Dasi, Francisco et al. (May 2001) Real-Time quantification in plasma of human
Ì	'	telomerase reverse transcriptase (hTERT) mRNA: A simple blood test to monitor
1		disease in cancer patients. Laboratory Investigation, Vol. 81, No. 5, p.767-769,
		alsease in cancer patients. Laboratory investigation, vol. 61, No. 5, p. 707-705,
}	91	Fleischhacker, Michael et al. (Sept 2001) Detection of Amplifiable Messenger RNA
		in the Serum of Patients with Lung Cancer Annals. NY Acad Sciences 945:179-
		188
	92	Gal, Shira et al. (Sept 2001) Detection of Mammaglobin mRNA in the Plasma of
		Breast Cancer Patients Annals, N Y Acad Sciences, 945:192-194
	93	Zhang, H.Q., Lu, H., Enosawa, S. Takahara, K. Sakamoto, T. Nakjima, H. S. and
-	"	Suzuki, S. (2002) Microarray analysis of Gene Expression in Peripheral Blood
1	1	Suzuki, S. (2002) Microurry analysis of Gene Expression in Peripheral Diode
	1	Mononuclear Cells Derived from Long-Surviving Renal Recipients, Transplantation
	↓	Proceedings 34 1757-1759
*	94	Baechler, E.C., Batliwalla, F. M., Karypis, G. Gaffney, P.M.; Ortmann, W.A.
(Δt)		Espe, K.J., Shark, K.B., Grande W. J. Hughes, K.M., Kapur, V., Gregersen, P.K.
-71		

JS 3/19/07

			· · · · · · · · · · · · · · · · · · ·	
Of.			and Behrens, T.W. (March 4, 2003) Interferon-inducible gene expression signature	
			in Peripheral Blood Cells of Patients with Severe Lupus. PNAS 100 (5):2610-5.	
100	1	95 .	Lo, Y.M. Dennis (2001 Sept.) Circulating Nucleic Acids in Plasma and Serum:	
			An Overview, Ann N Y Acad Scien 945: 1-7	
		95	Ng, Enders K.O., Tsui, N.B.Y., Lam, NYL, Chiu, R.W.K., Yu, S.C.H., Wong,	
			S.C.C., Lo, E.S.F., Rainer, T.H., Johnson, P.J., and Lo, Y.M.D. (August, 2002)	
	1		Presence of Filterable and Nonfilterable mRNA in the Plasma of Cancer Patients	
			and Healthy Individuals. Clin. Chem. 48(8):1212-1217	
	T	96	Mengelle, C. Sandres-Saune, K. Pasquier, C. Rostaing, L. Mansuy, J-M, Marty, M.	
	1		Da Silva, I., Attal, M., Massip, P. and Izopet, J. (Aug 2003) Automated Extraction	
[.	}		and Quantification of Human Cytomegalovirus DNA in Whole Blood by Real-Time	
			PCR Assay. J. Clin. Microbiology, 41(8):3840-3845	
•		97	Samuel DePrimo et al. (2003) Expression profiling of Blood Samples from an	
			SU5416 Phase II Metastatic Colorectal Cancer Clinical Trial: A novel strategy for	
L			biomarker identification. BMC Cancer, 3(3): 1-12	
		98	Taback B. et al. (Dec 15, 2001) Detection of Occult Metastatic Breast Cancer Cells	
İ	$I \perp I$		in Blood by a Multimolecular Marker Assay: Correlation with Clinical Stage of	
			Disease. Cancer Research, 61:8845-8850	
		99	Schuster R. et al. (2003) Quantitative Real-Time RT-PCR for Detection of	
İ			Disseminated Tumor Cells in Periphral Blood of Patients with Colorectal Cancer	
			Using Different mRNA Markers. Int. J. Cancer. 108:219-227	
1. 1		100	Twine et al. (September 15, 2003) Disease Associated Expression Profiles in	
- 1			Peripheral Blood Mononuclear Cells from Patients with Advanced Renal Cell	
			Carcinoma. Cancer Research, 63:6069-6075	
1		101	Vawter M. et al. (2004) Microarray screening of lymphocyte gene expression	
} (•		differences in a multiplex schizophrenia pedigree, Schizophrenia Research, 67	
			(2004):41-52	
1		102		
1 1			Neumann et al. (Jan 2002) Identification of differentially expressed genes in	
			rheumatoid arthritis by a combination of complementary DNA array and RNA	
] [arbitrarily primed-polymerase chain reaction. Arthritis Rheum. 46(1):52-63.	
 		103	Schwering, I. et al. (2003) Profiling of Hodgkin's lymphoma cell line L1236 and	
1 1		103	germinal center B cells: identification of Hodgkin's lymphoma-specific genes,	
1 1/			Molecular Medicine, No. 3-4: 85-95	
├ ──₩	-/- 	104	Martin, K. et al (2001) High-sensitivity array analysis of gene expression for the	
	/ .		early detection of disseminated breast tumor cells in peripheral blood Proceedings	
of National Academy of Sciences, Vol. 98, No. 5: 2646-2651				
EXAM	INF	₹	DATE CONSIDERED	
L.D.u.		•	31 19767	
L				

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

** Copies of references not provided at the time of this submission.